

logo

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|---------------------------------------------|----------------------------------------------------------------------------------|----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | MRKIIAIIIL..ISASISMAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDIFISTDMQIPSDQ | 78 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | MRKIIAIIIL..ISASISLAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDIFISTDMQIPSDQ | 78 |
| NTDB id 240249 CGU46 RS11895 WP 094069650.1 | MNSGLSRLGIALAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T  | 76 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | MNSGLSRLGIALAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T  | 76 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K | 77 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLK..Q  | 77 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLK..Q  | 77 |
| consensus                                   | !* ** * ** *** * *** ** * ** *****! ** ! ** ***! !!!!!* ** *                     |    |

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|---------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | KTITVSTGEASVDVSDDDRRLIVNLKDSGYSYTRVEGNVEILVINNSQTSAS                             | 145 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | KTITVSTGEASVDVSDDDRRLIVNLKDSGYSYTRVEGNVEILVINNSQTSAS                             | 145 |
| NTDB id 240249 CGU46 RS11895 WP 094069650.1 | KNRELSVGNTRSVTVVEAKDRTRLIINLTALSSYTTTRVEGNLFFVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPY | 156 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | KNRELSVGNTRSVTVVEAKDRTRLIINLTALSSYTTTRVEGNLFFVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPY | 156 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFFTRVEGNVFILKINNIQSTAT....PV.....A.TSA.....     | 138 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | SKI SVATNEASSVDVTSDDDRRLIVNLKDTGAFTRVEGNVFILKINSAQTSNK....PL.....P.VVS.....      | 138 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | SKI SVATNEASSVDVTSDDDRRLIVNLKDTGAFTRVEGNVFILKINSAQTSNK....PL.....P.VVS.....      | 138 |
| consensus                                   | * *** ** !* ** *! !*****! *****! * **** * ** *                                   |     |

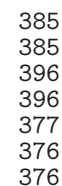
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| NTDB id 1257 GC085 RS04855 WP 163621000.1   | VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV   | 225 |
| NTDB id 240249 CGU46 RS11895 WP 094069650.1 | VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT     | 236 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT     | 236 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | PAPQQGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGKIPKIPHTLARRLNTTDFATPVASIDSYNDGSNG | 218 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | .AQPQGVSNIGFQRGSQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPKIPKIPHTLARRLNVNDFATPVSSIDAYNDKGVG  | 217 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | .AQPQGVSNIGFQRGSQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPKIPKIPHTLARRLNVNDFATPVSSIDAYNDKGVG  | 217 |
| consensus                                   | * * ****!* !*****! !!!!!*****! ***** * * ***! ! *!***** !!!!!!* * * ** *           |     |

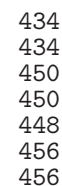
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| NTDB id 1257 GC085 RS04855 WP 163621000.1   | RM TILSKGDYGHFVYQVVKQFMVDVFPLTAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG  | 305 |
| NTDB id 240249 CGU46 RS11895 WP 094069650.1 | SITIEPSGLYDYL VYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG | 316 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | SITIEPSGLYDYL VYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG | 316 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | VISIQTSGSYEYMAQYAEENKLTISLKRQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTGINMVAADSQQG  | 297 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | VITIQQSSGSYEYMAQYAEENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG | 296 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | VITIQQSSGSYEYMAQYAEENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG | 296 |
| consensus                                   | **! **! !*****! ********** * * **! ****!* !!!!!*****! !!!!!*****! !!!!!*          |     |

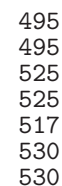
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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus
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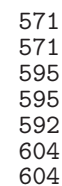
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NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus
```



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NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus
```



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NTDB id 1284 ACE17W RS12370 WP 010946666.1
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NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus
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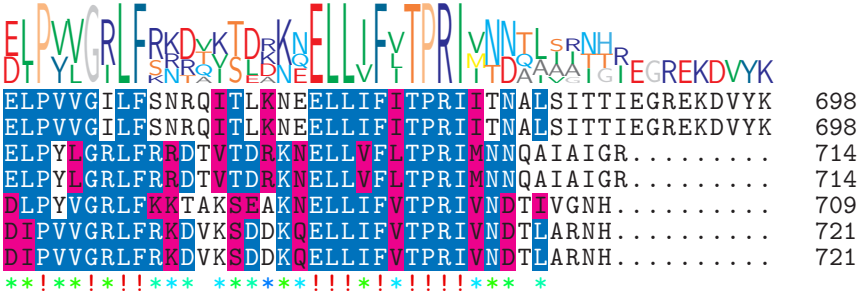
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NTDB id 1039 HON27 RS01460 WP 031993779.1  
consensus



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NTDB id 1284 ACE17W RS12370 WP 010946666.1  
NTDB id 1257 GC085 RS04855 WP 163621000.1  
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NTDB id 1052 ABD1 RS15850 WP 001017033.1  
NTDB id 1039 HON27 RS01460 WP 031993779.1  
consensus



☒ non conserved  
☒ similar  
☒ ≥ 50% conserved